

REVISION OF THE GYMNUSINI AND  
DEINOPSINI OF THE WORLD (COLEOPTERA:  
STAPHYLINIDAE). SUPPLEMENT 4. NEW  
DISTRIBUTION DATA AND DESCRIPTION  
OF FEMALE *ADINOPSIS BICORNIS*<sup>1</sup>

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ABSTRACT: New distribution data for *Deinopsis illinoisensis*, *D. rapida*, *Adinopsis bicornis* and *A. myllaenoides* are presented and discussed. A description of the previously unknown female of *A. bicornis* is provided and its genitalic structures illustrated.

This is the fourth supplement since the publication of my revision of Gymnusini and Deinopsini of the world (Klimaszewski 1979). It is based on an examination of additional specimens sent to me for identification by Drs. J.H. Frank, Florida Medical Entomology Laboratory, Vero Beach, Florida, and R.T. Allen, University of Arkansas, Fayetteville, Arkansas. These represent four species collected from new localities and the previously unknown female of *A. bicornis*.

The terminology and methods used here are the same as in my previous contributions (Klimaszewski 1979, 1980, 1982, 1985).

The abbreviations of Institutions used in the text are:

- FMEL - Florida Medical Entomology Laboratory, Vero Beach, Florida, Dr. J.H. Frank  
UAC - University of Arkansas, Fayetteville, Arkansas, Dr. R.T. Allen

*Deinopsis illinoisensis* Klimaszewski

**New distribution data:** United States, Florida, Liberty Co., Torreya State Park, September 3, 1983, J.H. Frank and M.C. Thomas (FMEL) 1 ♂.

This species is known to occur in the eastern part of the United States, ranging from northern Illinois, Michigan and Massachusetts to southern Illinois and Kentucky and then reappearing in Louisiana and south-eastern Texas (Klimaszewski 1979, 1982). The present new state record from Florida suggests that it is almost certainly continuously distributed in the entire eastern United States. The single male specimen was collected on the bank of a woodland stream.

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*Deinopsis rapida* Casey

**New distribution data:** United States, Arkansas, Benton Co., 5 miles south Gallatin, Fld. Pln. Illinois River, August 3, 1976, R. Chenowith and R. Thompson (UAC) 1 ♀.

*Deinopsis rapida* has a very similar distribution to that of the previous species. It ranges from northern Iowa, New York and Maine to Tennessee, northern Georgia and South Carolina, then reappearing in Louisiana and eastern Texas (Klimaszewski 1979, 1982). It is here reported from Arkansas for the first time. It most probably occurs also in Mississippi, Alabama and Florida, where it has not yet been reported. The single female was collected in damp gravel.

*Adinopsis bicornis* Klimaszewski

## Description of female

Similar externally to the male (see Klimaszewski 1979). Tergum and sternum VIII as in the male. Tergum IX consisting of two separated, elongate and finely pubescent valvulae, each terminated with a spine and bearing a few longer lateral setae (Fig. 1 b). Sternum IX appearing as a broadly oval plate bearing two elongate, and slightly narrowing apically lobes (Fig. 1 c). Tergum X with apical part divided into two acutely pointed lobes, each terminated with a long seta (Fig. 1 a). Spermatheca not found.

**Distribution: New data:** United States, Arkansas, Crittenden Co., 1 mile south Mound City, Dacus Lake, R. Chenowith (UAC) 1 ♀.

## Bionomics

The female specimen was collected in June using an ultraviolet light-trap.

*Adinopsis bicornis* has been described from a single male specimen collected in unspecified locality in Michigan (Klimaszewski 1979). This is the second record of this species from North America, suggesting that *A. bicornis* may be widely distributed in the eastern United States.

Both sexes of this species may be readily distinguished from other species of the genus by the division of the apical portion of tergum X into two lobes. The latter, in the female are more sharply produced than in the male (Fig. 1).

*Adinopsis myllaenoides* (Kraatz)

**New distribution data:** United States, Arkansas, Polk Co., Shady Lake near recreation area, July 1976, R. Chenowith (UAC) 1 ♂, Georgia, Charlton Co., Okefenokee NWR, Billy's Island, August 15, 1975, R. Chenowith (UAC) 1 ♂, 1 sex?. Panama: Canal Zone, Albrook Forest Site, Fort Clayton, May 23-24, 1968, R. Hutton (UAC) 1 ♀. Venezuela: Miranda, Panaquire, August 1-13, 1983, J.H. Frank (FMEL) 1 ♂, 1 sex?.

*Adinopsis myllaenoides* is a widely distributed species ranging from southern Brazil through Central America and the West Indies to the southeastern United States (Klimaszewski 1979, 1980, 1982). It has not, however, been hitherto reported from Venezuela or Panama. The new state records for Arkansas and Georgia extend its known distribution in the United States farther to the north.

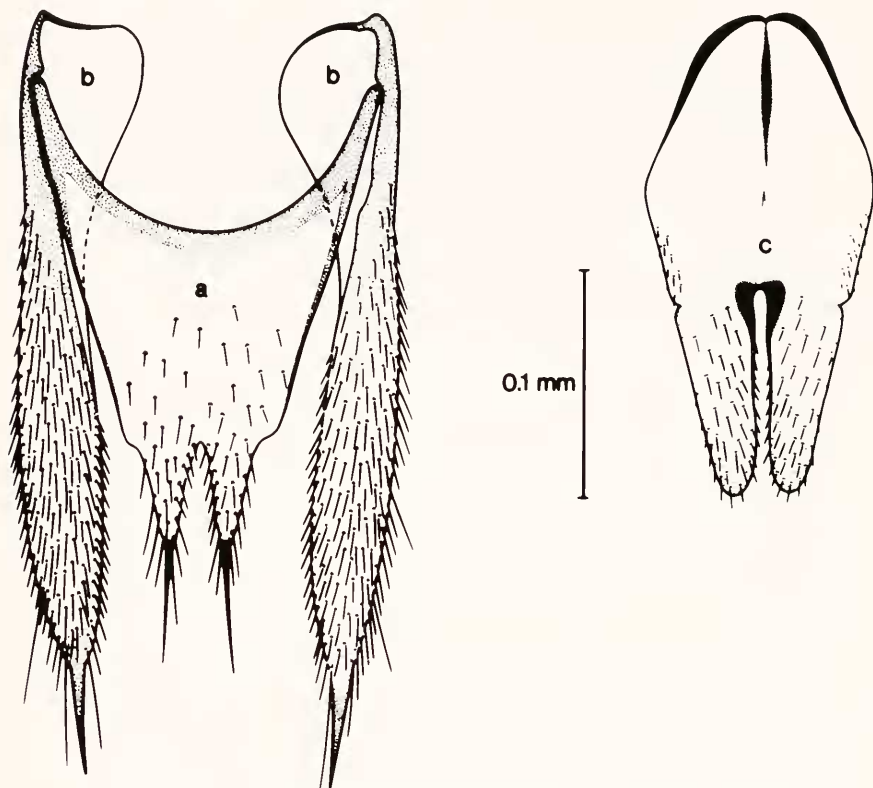


Fig. 1. Female terminalia of *Adinopsis bicornis* Klimaszewski: a - tergum X, b - valvula (half of tergum IX), c - sternum IX.

#### ACKNOWLEDGMENTS

I sincerely thank Dr. D.K.McE. Kevan, Director of the Lyman Entomological Museum and Research Laboratory, for reviewing the manuscript of this paper.

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